

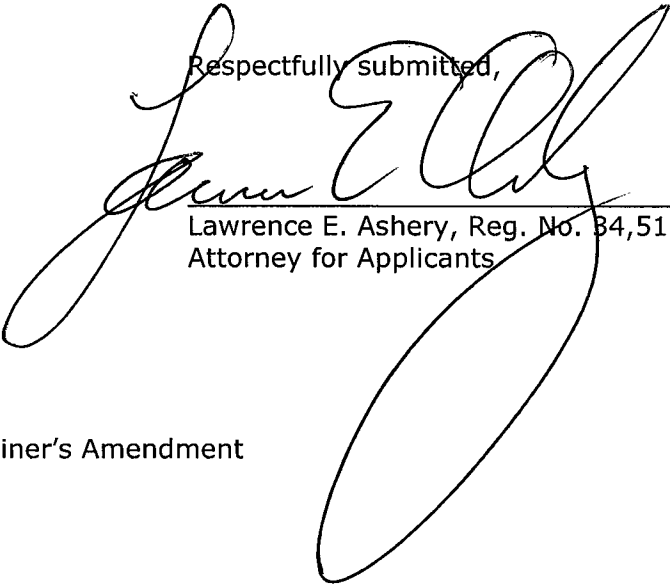
Application No.: 10/574,736
Amendment Dated May 26, 2009
Reply to Notice of Allowance Dated February 27, 2009

MAT-8830US

Remarks/Arguments:

Amendments to claims 30 and 35 were made to correct typographical errors on pages 6 and 12 of the Examiner's Amendment dated February 27, 2009.

Respectfully submitted,



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Dated: May 26, 2009

Enclosure: Pages 6 and 12 of Examiner's Amendment

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Art Unit: 2617

communication apparatus, including: [radio processing section that receives a second beacon
from a second radio communication apparatus, including:] second beacon transmitter information
including a ~~beacon slot position of the second radio communication apparatus that transmitted a~~
~~second beacon received by a radio communication apparatus~~, an identifier for identifying the
second radio communication apparatus, and second moving status information indicating
whether or not the second radio communication apparatus moves its beacon slot position; and

second beacon period occupancy information including a beacon slot position of the third
radio communication apparatus that transmitted a third beacon received by the second radio
communication apparatus, an identifier for identifying the third radio communication apparatus,
and third moving status information indicating whether or not the third radio communication
apparatus moves its beacon slot position;

a beacon slot position control section that detects whether there exists an empty beacon
slot, within the beacon period, which is located before the first radio communication apparatus's
beacon slot position that is a transmission period of the first beacon, and when the empty beacon
slot is detected, relocates its beacon slot position to the detected empty beacon slot;

a frame forming section that generates the first beacon including the first beacon period
occupancy information generated by using the second beacon transmitter information, and a first
transmitter information generated based on a detection result at the beacon slot position control
section, and forms a beacon frame, wherein the first transmitter information includes an
identifier that specifies the first radio communication apparatus, and first moving status
information indicating whether or not the first radio communication apparatus plans to move its
beacon slot position; and

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apparatus which notified the first moving status information, and a beacon slot position which indicates a slot position of the another beacon within the beacon period;

a generating section that generates the beacon including the beacon period occupancy information and second moving status information to notify the other radio communication apparatuses about a request for moving of its own beacon slot position;

a transmitting section that transmits the generated beacon at the radio communication apparatus's beacon slot position;

a detecting section that detects whether there is at least one empty beacon slot located before the radio communication apparatus's beacon slot position within the beacon period;

a monitoring section that monitors a specified number of super frames to confirm that the empty beacon slot is available when an empty beacon slot is detected, each super frame including a beacon frame and a data frame,

wherein the empty beacon slot is confirmed to be available when, in each of the specified number of super frames:

i) a specific beacon transmitted from a specific radio communication apparatus programmed to move its beacon slot position is ^{not} ~~not~~ received later than the radio communication apparatus's beacon slot position within the beacon period and earlier than the end of the beacon period, and

ii) the specific radio transmission apparatus programmed to move its beacon slot position is not detected in other beacon period occupancy information included in the other beacons transmitted from the other radio communication apparatuses to have the specific beacon later in the beacon period than the radio

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